Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/22/2020 11:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126873	1	3.00	126890	2.96
Blue	F	SSC	125000	123797	-1	1.72	124523	1.72
Blue	E	FITC	15892	15416	-3	2.87	335	21.71
Blue	D	PE	29999	28987	-4	1.98	631	15.81
Blue	B	PerCP-Cy5-5	43732	43434	-1	3.79	1164	21.08
Blue	A	PE-Cy7	30845	30449	-2	6.28	579	42.72
Red	C	APC	46112	45097	-3	2.40	1597	12.18
Red	A	APC-Cy7	30458	29556	-3	2.30	791	11.75
Violet	B	V450	7918	7602	-4	4.24	433	13.25
Violet	A	V500	32171	31060	-4	4.07	728	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16955	17.26	656	35	N/A	N/A	Pass
Blue	F	SSC	56921	1.23	580	21	N/A	N/A	Pass
Blue	E	FITC	61	64.02	553	10	0.0158	42	Pass
Blue	D	PE	131	52.05	558	10	0.1313	226	Pass
Blue	B	PerCP-Cy5-5	217	51.65	667	11	0.0085	71	Pass
Blue	A	PE-Cy7	105	110.70	711	13	0.0101	26	Pass
Red	C	APC	381	25.25	588	4	0.0239	132	Pass
Red	A	APC-Cy7	175	29.05	558	2	0.0059	1411	Pass
Violet	B	V450	66	61.19	459	1	0.0507	2218	Pass
Violet	A	V500	108	34.21	475	1	0.0218	752	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.05	-32.35	1.05
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.40
Red	16.95	13.60 - 20.40	N/A	N/A	29.53	30.18	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9962

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments